KLEARBAR

KLEARBAR hot/cold countertop filter water dispenser

INSTALLATION/USER MANUAL

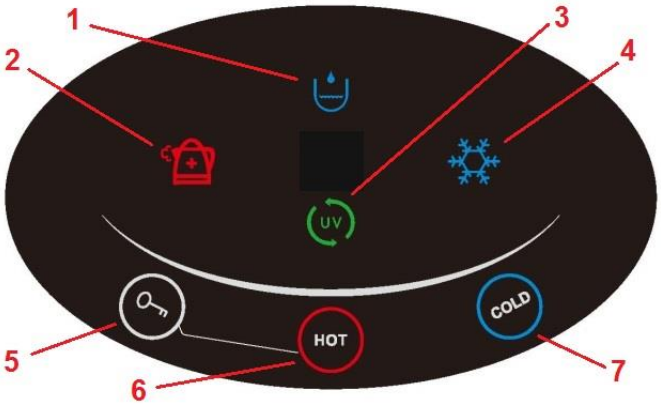
klearbar mini

SmartFilter NSF Water Quality

Overview & Diagram

1. Touchscreen operation panel
2. Front panel indicator light:
   - **Blue** - COLD water
   - **Red** - HOT water
   - **Purple** - ENERGY SAVE mode (Energy save mode will start after 4 hours of non-use. Touch any key to bring system to normal operation condition)
3. Faucet
4. Removable drip tray
5. Removable top panel
6. On/Off cold water compressor and delivery pump
7. On/Off hot water tank
8. Water overflow line outlet
9. Water line inlet (inset included 1/4 stem elbow here)

Touch screen instructions/user guide



1. Tank refill activation icon
2. Hot water activation icon
3. UV light activation icon (Mini2 only)
4. Cold water activation icon

For **HOT** water dispense touch and release #5, then touch and hold #6

For **COLD** water dispense touch and hold #7

Installation & Maintenance

Your Klearbar Mini comes standard with virtually everything you need for a simple water line connection:

- Installation/User manual
- 15 feet of food grade, 1/4 polyethylene tubing
- 45 psi pressure reducer (pre-installed inside water dispenser)
- Angle stop valve (mains connector)
- 1/4 union tee (install if using existing ice maker water line connection)
- 1/4 stem elbow (install at water line inlet)

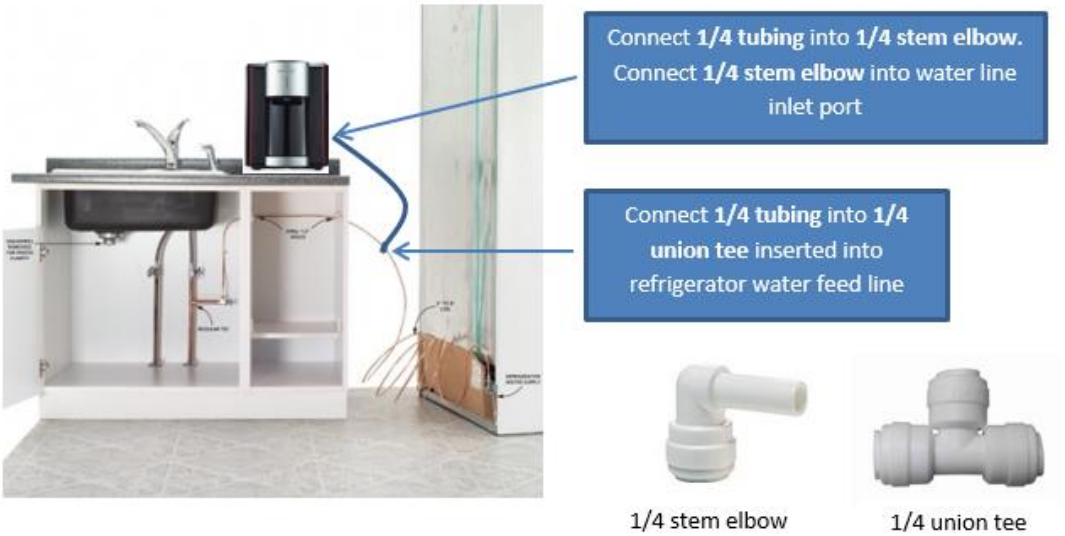
You may also need the following items to assist your installation:

- Adjustable wrench to install angle stop valve
- Teflon plumbers tape (use when installing angle stop valve)
- Plastic tubing cutter or scissors
- 3/8 inch drill bit and drill (if needed to drill hole in cabinetry to hide water line)

ALWAYS PLUG KLEARBAR MINI ELECTRICAL CORD INTO A GFCI PROTECTED POWER OUTLET

There are multiple ways to connect your Klearbar Mini but regardless of your choice it is recommended to follow local plumbing codes or consider hiring a licensed plumber. But should you decide to DIY (do it yourself) we have provided a basic blueprint to get you on your way.

Perhaps the easiest connection is to an existing water line already provided by your refrigerator ice maker. Use a 1/4 union tee for this connection.



Connect To Existing Refrigerator Ice Maker Water Line—*use the included **1/4 union tee** when connecting to a 1/4 water mains connection or, use a brass compression union tee if desired (always use a plastic compression ferrule when connecting polyethylene tubing using a brass union—a brass compression ferrule may cut into the plastic tubing and cause a leak).*

1. BEFORE PLUGGING IN TO ELECTRICITY turn off water line supply to refrigerator ice maker.
2. Using a plastic tube or copper line cutter, make a square cut of the existing ice maker water line no closer than 12 inches from where the water line originates from the floor or wall, and insert the 1/4 union tee here. It may be good to have a large towel nearby as a small amount of residual water may spray and drain out once the line is cut. Connect the included 1/4 polyethylene water line (tubing) to the union tee.
3. Place the Klearbar Mini within a few feet of an available GFCI electrical socket and connect the included 1/4 stem elbow into the water inlet port on the back of the unit (be careful not to connect to the optional overflow port). Now connect the remaining 1/4 polyethylene water line into the 1/4 elbow behind the Klearbar Mini. Trim off extra water line as needed for a professional look.
4. Consider installing an optional 1/4 turn ball valve (not included; available at most hardware stores) about 12 inches from the 1/4 stem elbow enabling easy water on/off access without having to pull the refrigerator away from the wall. This is very convenient should you ever need to remove the Klearbar Mini for cleaning or should you discover a leak.
5. Position the Klearbar no closer than three inches from the wall to allow sufficient air flow.
6. BEFORE TURNING ON WATER LIFT RESERVOIR COVER THEN **REMOVE MOISTURE ABSORBING DESICCANT BAG** FROM INSIDE RESERVOIR.

Remove moisture absorbing desiccant bag

Desiccant bag removed (1 piece)

7. BEFORE TURNING ON WATER PLACE HOT WATER SWITCH TO OFF POSITION and then plug the Klearbar Mini into a GFCI receptacle. Open the water connection and allow to completely fill. Once full **prime the water pump** by dispensing 10 ounces of water from the cold and hot tanks.

Only after priming is it now safe to turn on the cold and hot water switches on the rear of the equipment.

Connect To Main beneath a Sink

1. Turn off COLD water supply line.
2. Use a wrench and disconnect the copper or braided riser tube generally connected to a 3/8 vertical thread as part of an on/off valve threaded or soldered to the water main.
3. Thread the included angle stop valve (mains connector) by first wrapping Teflon tape (not included) around the vertical mains thread. Hand-tighten then snugly tighten using wrench. Then apply Teflon tape to downstream thread and reconnect the riser tube.
4. Use the included 1/4 polyethylene tubing and connect using the compression fittings on the included mains connector.
5. Next drill a 3/8 hole through sink or countertop near the final resting place of the Klearbar Mini. Be extremely careful if drilling through a porcelain/cast iron sink or granite countertop as damage may result. Consult a professional if unsure with this procedure.
6. Place the Klearbar Mini within a few feet of an available GFCI electrical socket and connect the included 1/4 stem elbow into the water inlet port on the back of the unit (be careful not to connect to the optional overflow port). Now pull the 1/4 water line through the drilled hole and connect into the 1/4 stem elbow.
7. Install an optional 1/4 turn ball valve (not included; available at most hardware stores) about 12 inches from the 1/4 stem elbow enabling easy on/off access. This is very convenient should you ever need to remove the Klearbar Mini for cleaning or should you discover a leak.
8. Turn on mains valve, check for leaks then plug the Klearbar Mini into a GFCI receptacle allowing to completely fill. Once full the Klearbar Mini will automatically stop filling with water. MAKE SURE THE HOT WATER SWITCH IS IN THE OFF POSITION BEFORE PLUGGING IN. Once the Klearbar Mini has filled and water is no longer flowing in, it is now safe to turn on the hot and cold water tanks.

Optional tee adaptor connection

User Maintenance

It is recommended to flush and sanitize your Klearbar Mini upon installation and after a filter change approximately every six months or as needed to assure the freshest drinking water possible.

Use a 5-quart, pre-mixed solution of hot tap water and sanitizer (baking soda or citric acid). *If using bleach avoid prolonged periods of use to minimize stress on stainless water tank and optional UV component.* Flush with clean tap water thoroughly after a one hour soak.

New Installation

1. Remove all packing materials before performing procedures below.
2. Make sure both hot and cold switches are in the off position.
3. Pre-mix 5 quarts o very hot or near boiling tap water to the following
    a. OPTIONAL Sodium bicarbonate (baking soda) – 8 tablespoons (4 oz.)

WARNING: IF USING BLEACH BE MINDFUL OF POTENTIAL STAINING OF CLOTHES IF SPILLED

WARNING: IF USING OPTIONAL SANITIZER WITH KLEARBAR MINI2 ONLY, DISCONNECT UV LAMP COMPONENT BEFORE ADDING SOLUTION TO PREVENT POTENTIAL OF BAD AFTERTASTE. KLEARBAR MINI2 WILL NOT LEAK WHEN REMOVING THE UV LAMP. AVOID TOUCHING UV LAMP WITH BARE FINGERS TO PREVENT NATURAL OIL TRANSFER ONTO LAMP WHICH MAY DECREASE LAMP LIFE. REINSERT UV LAMP WHEN FLUSHING IS COMPLETE.

4. Plug Mini into GFCI electrical outlet
5. Remove top reservoir cover and slowly pour sanitizing solution into top of empty reservoir
6. Dispense from both hot and cold water sides to fill internal lines with solution
7. Soak for 1-3 hours, dispense ALL water from both sides to flush, fill again with clean tap water, dispense from both sides to rinse
8. If poor odor/taste exists with new installation, dispense 1-2 full pitchers of cold water. It may be necessary to repeat 12, 24 and 48 hours after installation. Repeat as needed.

NOTE: ANOTHER DRAINING METHOD IS TO REMOVE SILICON PLUGS FROM BOTTOM OF KLEARBAR MINI. REMEMBER TO REPLACE BEFORE REFILING.

Between Filter Changes

1. Turn off water supply to the Klearbar Mini
2. Turn off both hot and cold switches
3. Pre-mix 5 quarts o very hot or near boiling tap water to the following
    a. OPTIONAL Sodium bicarbonate (baking soda) – 8 tablespoons (4 oz.)

WARNING: IF USING BLEACH BE MINDFUL OF POTENTIAL STAINING OF CLOTHES IF SPILLED

WARNING: IF USING OPTIONAL SANITIZER WITH KLEARBAR MINI2 ONLY, DISCONNECT UV LAMP COMPONENT BEFORE ADDING SOLUTION TO PREVENT POTENTIAL OF BAD AFTERTASTE. KLEARBAR MINI2 WILL NOT LEAK WHEN REMOVING THE UV LAMP. AVOID TOUCHING UV LAMP WITH BARE FINGERS TO PREVENT NATURAL OIL TRANSFER ONTO LAMP WHICH MAY DECREASE LAMP LIFE. REINSERT UV LAMP WHEN FLUSHING IS COMPLETE.

4. Fully drain both hot and cold sides of reservoir
5. Remove top reservoir cover and slowly pour sanitizing solution into top of empty reservoir. Hot tank will fill before upper part of cold tank reservoir.
6. Dispense from both hot and cold water sides to fill internal lines with solution
7. Soak for 1-3 hours, dispense ALL water from both sides to flush, fill again with clean tap water, dispense from both sides to rinse

Changing the Water Filter

1. Lift top black cover back to front to remove. Turn off water supply then turn filter in a half turn counterclockwise and pull up. Insert new filter and turn clockwise to fully engage back into unit.
2. Turn water supply back on and dispense at least three (3) gallons of cold water. This procedure will drain old water and flush new filter. If you see unflushed carbon fines these may appear as black specks in the water and are not harmful, but may not present well so consider additional flushing after inserting the new filter. It is also suggested to sanitize both the hot and cold tanks similar to the new install procedure every other filter change (12 months) as needed.

Replacement filter part # 37MC235

Cleaning Your Klearbar Mini

Using a microfiber or soft cloth dampened with warm water you can wipe your Klearbar Mini's outer panels. Do not use harsh detergents or other cleaning aids which can possibly damage the outer surface. Use only a dry cloth to wipe the touch screen. Do not use water or any other detergent to clean the back of the machine. Keep dry!

Changing Color Panels

Your Klearbar Mini color side panels are easily changeable with a Phillips head screwdriver.

- Remove the top black cover
- Locate the two screws on both the front and back top corners of each side panel
- Loosen both screws for each panel
- Facing either panel, position your thumbs half way down near the edge of both sides (left thumb on the left side and right thumb on the right side)
- Press and slide in a downward motion which should unlatch the panel from the inside allowing you to remove. Do this for both sides. Install the new panels in reverse and you're done!

Replacement Color Panels (2 per set)

Red, part # MINIP-RED

Black, part # MINIP-BLK

Silver, part # MINIP-SLV

Cream, part # MINIP-CRM

Blue, part # MINIP-BLU

Green, part # MINIP-GRN

Yellow, part # MINIP-YEL

Orange, part # MINIP-ORG

Safety Instructions

- Do not use extension cords or power adaptors to avoid overheating and potential fire hazards.
- Only connect the Klearbar Mini to a GFCI grounded power source.
- Do not use if there is a defect in either the electrical cable, power source or any other part of the Klearbar Mini. Call you vendor for assistance on any questions related to these issues.
- Do not let children operate the Klearbar Mini unattended by an adult.
- The Klearbar Mini can dispense extremely hot water which can cause severe burns if handled inappropriately.
- To avoid water damage and overflowing do not reposition the Klearbar Mini prior to first shutting off the water inlet and then emptying both internal hot and cold water tanks.
- The Klearbar Mini is intended to purifying and filtering drinking water as provided by NSF standards.
- In case there is an official recommendation by the public health authority to boil water prior to drinking tap water in your area, do not use the Klearbar Mini. The Klearbar Mini is intended for use with approved potable water only. Replace the filter, sanitize and thoroughly flush the Klearbar Mini immediately after boil water advisory has lifted.
- Leave a minimum two inch space on all sides of the Klearbar Mini for proper venting and operation of the cooling and heating systems.
- If you do not intend to use your Klearbar Mini for several days, for safety purposes, unplug it and close the incoming water supply line into the machine. When the machine is turned back on, it is recommended to flush and sanitize both tanks as described above.
- **Klearbar, Inc. will not be responsible for any internal changes to the Klearbar Mini made by an unauthorized installer, as well as for any defect, malfunction or damage caused by the use of non-original replacement parts.**
- **Servicing and repairs should solely be handled by an authorized dealer and any warranty is limited to original parts from Klearbar or an authorized dealer.**

Technical Specifications

Electricity

- 120v, 60Hz
- 115 – 700w
- 7.5 Amps

Heating System

- 53 ounce/1.6 liter capacity dispenses up to 40 cups of hot water an hour (2.2 gallons/8.2 liters) at an average temperature of 185 F/85 C.

Cooling System

- 73 ounce/2.2 liter capacity dispenses up to 40 cups of cold water an hour (2.0 gallons/7.6 liters) at an average temperature of 50 F/10 C.
- R134 refrigerant, 1.5873 oz.
- 32 ounce/1.0 liter ambient water capacity above cold water baffle; 105 ounce/3.1 liter total main tank capacity

Purification and Filtration Systems

- 300 gallon, 1 micron carbon block filter
    - Klearbar Smart filter part # 37MC235
    - NSF 42
    - Replace a minimum of every six months

Water Supply

- Minimum water pressure 22 psi
- Maximum water pressure 87 psi

Product Dimensions

- 14.75 H x 12.63 W x 15.75 D
- 29.2 lbs. net weight

Trouble Shooting

PROBLEM	REASONS FOR MALFUNCTION	SOLUTIONS
Water is not dispensing	No electrical outlet connection	Plug in electrical cord
	No water source connection	Verify connection to water line and valve is turned on
	No power at electrical outlet	Reset GFCI or breaker
	Filter is missing or clogged	Verify filter is properly seated into filter head
Water leakage	Water line not connected properly	Immediately turn off water supply and reconnect
	Leakage from within the Mini	Immediately turn off water supply call for service
	Overflowing drip tray	Remove and empty drip tray
All panel lights are flashing and Klearbar Mini beeps	Emergency reservoir float switch has engaged indicating possible overflow (Mini2 only)	Immediately turn off water supply and call for service
Hot water mode does not produce enough hot water or does not dispense at all	Hot water switch is turned off	Verify the hot water switch is turned on
	Energy Save mode has activated	Touch any button to wake up Klearbar Mini then wait several minutes and try again
	Excessive hot water demand	Wait five minutes and try again
	Internal overload breaker has tripped, possibly due to no water in hot tank when hot tank turned on	Immediately turn off entire system, turn off water supply and call for service
Cold water mode does not produce enough cold water	Cold water switch is turned off	Verify the cold water switch is turned on
	Energy Save mode has activated	Touch any button to wake up the Klearbar Mini then wait several minutes and try again
	Excessive cold water demand	Wait several minutes and try again
	Water in dispensing lines have warmed to room temperature	Pour the first cup of water out and dispense again
Water has a poor odor/taste	New Klearbar Mini*	Flush cold tank
	Filter is several months old	Replace filter, sanitize and flush

*Thoroughly flush (dispense) 1-2 pitchers from the cold water side with new installation. Repeat again after 12, 24 and 48 hours for best results. Poor odor/taste should dissipate within 1-2 days after installation.

NOTES

Service Provider

Serial #_____